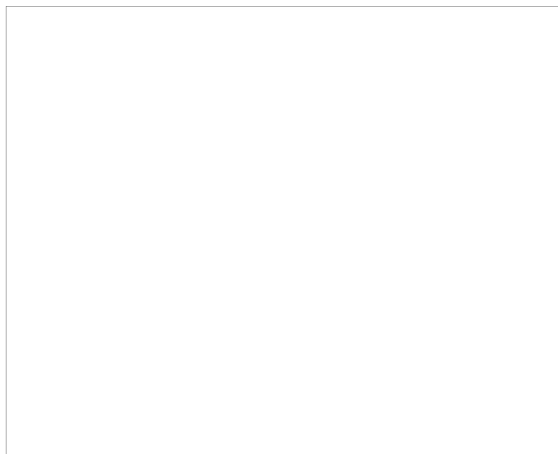




50X1-HUM

Table of Contents of Russian Periodical
'Stanki i Instrument,' Nos 1-12, 1945



50X1-HUM

CONFIDENTIALSTANKI I INSTRUMENTVol 18, Nos 1-2, January-February 1948

ZAKHAROV, G. M., Engineer

Chief Designer, Krasnyy Proletariy Plant

"New Machine Tools Produced by the Krasnyy Proletariy Plant"

RATNER, M. L., Candidate ⁱⁿ Technical Sciences

Stankinprom [Machine Tool and Tool Industry]

"Selection of ~~the~~ Batch Size for Group Conveyor Lines"

LIVCHITS, S. V., Engineer

Krasnyy proletariy Plant

"Checking the Pitch of Lead Screws and Machine-Tool Precision
According to Pitch"

LYUBVIN, V. I., Engineer

"Use of the Method of Cold Reduction in the Tool Industry"

KORSOV, L. A., Engineer

Krasnyy proletariy Plant

"Adjustment
Equipping of Machine Tools"

ELYASBERG, M. Ye., Engineer

Chief Designer, Leningrad Plant imeni Sverdlov

"Friction Effect under a Highly Rigid Flexible Load"

ZAKHAROV, I. I., Engineer

Chief of the Tool Durability Bureau, Plant imeni Dzerzhinskiy

"Physical ^{Principles} ~~Principles~~ of the Metal Cutting Process"PRUSHKOV, B. T., Candidate ⁱⁿ Technical Sciences

Saratov Institute imeni M. I. Kalinin

"Analysis of ~~the~~ Cutting ^{Conditions Recommended} ~~Regimes~~ Approved by the Commission
[Peoples' Commissariat of Machine-Tool Building]
on Cutting of the NKSS, USSR and Comrade Klushin"- 1 - **CONFIDENTIAL**

CONFIDENTIAL

PILATOV, A. G., Engineer

DOLKHOVSKIY, S. D., Engineer

~~"From Rationalization"~~ "Suggestions Introduced at the
Krasnyy proletary Plant"

BOLOTIN, A., Engineer

Krasnyy proletary Plant

"Introduction of New Super-Hard Alloys at the Krasnyy
Proletary Plant"

SHRYAKINA, M., Engineer

~~"From Experience of the Metals Laboratory"~~ ^{Work} at the
Krasnyy proletary Plant"

KONDROV, S. M., Candidate ^{of} Technical Sciences

ENTIS ^{Experimental Scientific Research Institute}
^{of Machine-Building Machines Tools}

Review of Surface Finish -- Report of the Research Department
of the Institution of Production Engineers, by Dr. G.
Schlesinger [British]

CONFIDENTIAL

CONFIDENTIAL

STANKI I INSTRUMENT

Vol 18, No 3, March 1945

PROSVIRIN, V. I., Doctor of Technical Sciences

ZUDIN, I. F., Candidate in Technical Sciences

VERSHINSKIYA, A. D., Engineer

TsNIITMASH [Central Scientific Research Institute of
Machine Building]
"Cast Nitrogenous Steel Cutter"

GIMPELSON, A. I., Engineer
TsNIITMASH [Central Scientific Research Institute of Technology and
Machine Building]
"Making Cast Tools with Minimum Surplus-Stock for Grinding"

REVIC, I. A., Candidate in Technical Sciences,
NII MKT [Scientific Research Institute of the People's
Communist of Heavy Industry]
KVATER, I. S.

ARTEM'YEV, V. F.

PERCHIN, P. S.

Engineers, Uralmashzavod

"The Technology of Making Cast Cutting Tools at the
Ural Machine-Building Plant"

ZAKHAROV, G. M., Engineer

Chief Designer, Krasnyy Proletariy Plant

"New Machine Tools Produced by the Krasnyy Proletariy Plant"

RESPROZVANNYY, I. M., Doctor of Technical Sciences, Stalin
Prize Winner

"A Modern Formulation of the Question of the Physical Bases
of the Metal-Cutting Process"

- 3 -

CONFIDENTIAL

CONFIDENTIAL

KOZNEUROV, P. I.

YELITSEIN, Ye. V.

GAVRILOV, V. N.

Engineers

From Experience at the Kirov Plant

"Cast Cutter Holders"

GERASIMOV, Ye. P.

BERLYAYEV, K. M.

GIL', A. V.

ISYAZEV, S. N.

Engineers

"Cast Thread Gages"

REVIS, I. A., Candidate in Technical Sciences,

NII NKTP [Scientific Research Institute of People's
Commissariat of Heavy Industry]

SVEPIOL, M. B.

KRAYEMAN, I. L.

Engineers

From Experience at the Plant imeni Komintern NKTP [People's Commissariat
of Heavy Industry]

"Cast Built-up (naborny) Tools"

NILOVSKIY, I. A., Engineer

"Making Cast Taps and Countersinks"

RYCHKOV, A. A.

UTKIN, S. Ye.

Engineers

From Experience at the Gor'kiy Automobile Plant imeni Molotov

"Making a Cast Cutting Tool of High-Speed Steel"

CONFIDENTIAL

CONFIDENTIAL

ANTOSHIN, Ye. ^{V.} P., Engineer

POTOTSKIY, V. M.

Metalization Department, NTK GLAVAVTOGENA [1/1 K (2) of the Main
Administration of Automobile Working]
"Using Metalization For Correcting Defects in Castings"

FEDOTIYEV, V. P., Engineer

Head of the Tool Bureau

"Change in the Hardness of Grinding Wheels and the Manufacture
of New Grinding Wheels at the Krasnyy proletariy Plant"

FILATOV, A. B.

BOL'KHONSKIY, S. D.

Engineers

"From Rationalizers' Suggestions Introduced at the Krasnyy
Proletariy Plant"

SHESTOPAL, V. M., Candidate in Technical Sciences, Doctor

YEGORENKOV, I. P., Engineer

Moscow Machine Tool and Tool Institute imeni Stalin

"Standard Elements of Casting Designs"

VOBKRESENSKIY, V. D., Engineer

Question-and-Answer Column

CONFIDENTIAL

CONFIDENTIAL

STANKI I INSTRUMENT

Vol 16, Nos 4-5, April-May 1945

VASIL'YEV, D. T., Candidate in Technical Sciences

"Conditions for Productive Cutting of Fine Threads"

KABANOV, A. Ya.

"Graphic Determination of Allowances Mechanical Machining
and Cost of Billet Material"

FRONKEL', A. B., Engineer

"Production of a Welded Tool" (From Experience at the
Automobile Plant imeni Stalin)

FEL'DSHTEYN, E. I., Candidate in Technical Sciences

RYCHKOV, A. A., Engineer

Gorkiy Automobile Plant imeni Molotov

"Experience in Introducing Chemical Processing of Cutting
Tools into Production"

KORNILOV, K. A., Candidate in Technical Sciences

ENIMS

"More on the Hardness of Gears"

VIKHEAN, V. G.

NIEL Peoples' Commissariat of Tank Industry USSR

"An Electronic Checking and Sorting Automatic"

KASHIRIN, A. I., Doctor of Technical Sciences, Professor

"~~On the Question of~~ The Physical ~~Base~~ of the Metal Cutting
Process"

- 6 -

CONFIDENTIAL

CONFIDENTIAL

POLZIKOV, V. S., Engineer

Gorkiy Automobile Plant, imeni Molotov

"Combination Multi-~~Edge~~ ~~Spindle~~ Drills"

VESELOVSKIY, S. I., Engineer

"Multiposition Attachments for ~~Making~~ Cutters"

KOZLOV, M. P., Engineer

"A Pneumatic Attachment for a Drilling Machine"

VAYNER, Z. Ye.

Sterlitamak, Bashkir ASSR

"An Automatic Reversing Mechanism"

MALKIN, L. A., Engineer

Chair of Applied Mechanics, MTU, imeni Bauman

"An Instrument for Determining the Front Angle of Cutting Dies"

SHELYAKOVA, G. A., Engineer

Freezer Plant

"An Attachment for Broaching Square Cutting Tool Shanks"

VESELOVSKIY, S. I.

"Multi-Profile Grinding of Thread Millers on a Relieving Lathe"

VYSHEPOL'SKIY, S. P.

"Proper Shape for a Bent-Back Through (Prokhodnyy) Cutter"

SVIRIN, M. G., Reporter

"Power Consumption in Milling with Negative ~~Rear~~ Angle Mills"(From Machinery, No 1652, 1944)

- 7 -

CONFIDENTIAL

CONFIDENTIAL

~~SECRET~~

PROKOPOVICH, Ye. A., Engineer

Review of Mikheyev, Tikhvinskiy, and Makarevich, Vostanovleniye
razhushhego instrumenta (Restoration of a Cutting Tool),
Mashgiz, 1944

CONFIDENTIAL

CONFIDENTIAL

STANKI I INSTRUMENT

Vol 18, No 8, June 1948

HAZAROV, I. N., Professor, Stalin Prize Winner

"Carbinol Glue and its Use"

LUR'YE, M. Z., Engineer

ZVSHS

"Multi-Insert Sliding Bearings for Centerless Grinding Machines"

SHAFRONOV, M. M., Engineer

Stankinprom

"Designing Special Equipment for Operation Checking"

VLADZHEVSKIY, A. P., Candidate in Technical Sciences, Docent

"The Technical Operation, Maintenance and Repair of Metal-Cutting
Machine Tools"

ROMANOVSKIY, V. P., Docent

"Computing the Labor Consumption of Mechanical Machining
According to Added Coefficients"

PANKIN, A. V., Dr. of Technical Sciences, Professor

"Transformation of Cutter Geometry"

OMEL'CHENKO, A. I.

State Optical Institute

"An Optical Method of Measuring Internal Threads"

GUR'YEV, A. M.

BOGATYREV, Ye. P.

Fusing
"Welding Hard Alloy Blades on Cutter Shanks by High-Frequency
Currents"

- 9 -

CONFIDENTIAL

CONFIDENTIAL

FRUMIN, Yu. L.

"Floating Tools for Machining ~~Pine~~ Holes on Vertical Semi-Automatic Lathes"

DNEPROV, V. N.

"A Simple Relieving Attachment for the DIP-200 Lathe"

RUBTSOV, A. A.

"Module Disk Mills with Poly-Directional Teeth"

GALITSKIY, B. A.

"Locating Pipe Defects with an Electromagnetic Defectoscope"

T. ~~V.~~

"A Tool for Measuring Grooves"

FEL'DSHTEYN and VASIL'YEV

"Question-and-Answer Column"

CONFIDENTIAL

CONFIDENTIAL

STANKI I INSTRUMENT

Vol 18, Nos 7-8, July-August 1946

KIRDYAKOV, K. V.

LISOMIN, A. ~~A.~~

"Surface Finish"

ANNENKOV, E. A., Engineer

Chief Designer, Krasny Proletariy Plant

"Modernization of the DIFSON Machine"

SOLIKH, L. D.

VAYNER, G. Ye.

Machine Tool Plant Imeni Lenin

"Vibration ~~in the Controller~~ Boring Bars of Diamond Boring
Machines"KUSHIN, M. I., Candidate ~~in~~ Technical SciencesPELIDONTEYN, E. I., Candidate ~~in~~ Technical SciencesMetal-Cutting Laboratory of the ~~(Gorkiy Automobile Plant)~~

Imeni Molotov

"The ~~Effect of the Speed of~~ ^{Effect of High-Speed} Cutting on the Cutting Force
with Positive and Negative Front Angles of Cutters"

YAKOBSON, M. O., Engineer

Chief Machinist, ^{MIZ} ~~(Moscow Tool Plant)~~"The ~~Question of the~~ ^{Problem} Proper Organization of Operation and
Repair of Metal-Cutting Machine Tools"

BOMSHTEYN, Z. D., Engineer

Chief Machinist, Krasny Proletariy Plant

[Same subject as above]

CONFIDENTIAL

CONFIDENTIAL

SHER, A. N., Engineer
 Chief Machinist, ^{GP2} First State Bearings Plant

~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~

[Same Subject as above]

PRUSHKOV, B. T., Candidate ^{of} Technical Sciences

Saratov Institute named M. I. Kalinin

"Improvement of the Method of Soldering Cutting Blades
 on Shanks"

KOSTUCHENKO, B. I., Candidate ^{of} Technical Sciences

Ural ~~Machining~~ Plant ~~(Sverdlovsk)~~

KUZNETSOV, V. V., Engineer

Ural'sk Industrial Institute

"A Bimetal Tooth-Cutting Tool"

DENTSOV, P. ~~K.~~

CHERNOMIR, N. V.

Gorkiy Milling Machine Plant

"High-Speed Milling"

POCHTAR', G. Ye.

TSINOVERKAYA, Ye. P.

Engineers

Krasnaya Etna Plant

"A Method of Making Diamond-Metal Pencils"

GALOSHNIKIN, G. P.

"Setting Up a Knock-Out Hammer without Base Bolts"

SEMYUTIN, I. T., Engineer

Kirov Plant, Chelyabinsk

"A Device for Accelerating Upper Slide Travel on a Lathe"

CONFIDENTIAL

CONFIDENTIAL

GREGHENKO, K. Ya., ~~Engineer~~
~~"Revolutive"~~
~~"An Attachment Reamer"~~

SAMOKHVALOV, N. V.

Plant No 381, NKAP [P]

"An Attachment for Grinding Saws"

~~Same Author~~

"An Attachment for Grinding Segments of Circular Saws"

GREGHENKO, K. Ya., Engineer

"A Face Milling Cutter of New Design"

~~Same Author~~

"New Groove Sizes for Gang Milling Cutters"

~~GAL. PHAIN, G. P., Engineer~~
~~"Improving the Grinding Process in the Machine"~~

TICHIN, S. D., Candidate of Technical Sciences, Docent

Bureau of Technical Standardization NIISS USSR

"NORMS for Wear and Consumption of Grinding Wheels"

SVIRIN, N. G., Engineer, ~~Reporter~~

"A New Centerless Grinding Machine"

(A new Arthur Scrivenor Co. product)

^I
 VILCHITSKIY, S. V., Engineer

Question-and-Answer Column

CONFIDENTIAL

STANKI I INSTRUMENT

Vol 18, No 9, September 1946

TOMCHEN, G. I., Candidate ~~in~~ Technical Sciences

NATI - GAZ []
 "A Method of []"
 "THE PROCEDURE FOR Computing the Setting and Cutting ~~Machine~~
 on Multi-Tool Machines"

ERLIKH, L. B., Candidate ~~in~~ Technical Sciences, Docent

Plant imeni Lenin

"The Effectiveness of Machine-Tool Design and ~~its~~ ^{its} ~~gaging~~"FELDSEDTYIN, E. I., Candidate ~~in~~ Technical Sciences, Docent

Metal-Cutting Laboratory, GAZ, imeni Molotov

NATAYEV, B. S., Candidate ~~in~~ Technical Sciences

Central Laboratory of the Plant imeni Baranov

"Increasing the Workability of Alloyed ~~and~~ ^{and} Cemented Steel"BACHNITSER, M. I., Candidate ~~in~~ Technical Sciences

"A ~~Universal~~ ^{Universal} Angle ~~gauge~~ ^{gauge} for Checking the Grinding Angles
 of a Multibed Tool"

MONOTOV, N. N., Engineer

ZIS []

"A Machine Tool for ~~Regulating~~ ^{LAPPING} Threads of ~~Knurling~~ ^{Threading} Dies"

SMIRNOV, A. S.

"~~Threading~~ ^{Threading} Master Taps
 Dies and ~~Shaping~~ ^{Shaping} Reamers for Fine Threads"

VESELOVSKIY, S. I., Engineer

"Multiprofile and Shape ~~(Fascunoye)~~ ^(Fascunoye) Grinding of Cutting Tools"

CONFIDENTIAL

CONFIDENTIAL

ROZENBERG, G. Sh.

enamel for cutting *Textile*
 "An Attachment for Automatic ~~Rounding-off~~ of Gear ~~Teeth~~ *Teeth*"

SALOMENVALOV, N. V., Engineer

"A Chuck for Machining Eccentric Bushings and Shafts"

USTINOV, S. A.

Krasnyy Fakel Plant

"A New ~~Cooling~~ *Water* Pump"

DEMCHENKOV, I. V., Engineer

ZIS *[Plant named Stalin]*
Building up
 "Sharpening of Tools" *[by Machine]*

BOGOMOLOV, S. P.

Plant named Voroshilov

"Restoration of Punches"

SVIRIN, M. G., Engineer *mechanical*

Setting
 "A New-Design ~~Machine~~ Lathe for Machining Cam Shafts"

CONFIDENTIAL

CONFIDENTIAL

STANKI I INSTRUMENT

Vol 16, No 10-11, October-November 1945

BOGUSLAVSKIY, B. L., Professor

Variants in
 "Classification of the Principal ~~indications~~ of Automatic -
 Lathe Drive"

of
 BATHER, M. L., Candidate ~~in~~ Technical Sciences
 Stankinprom.

Convey
 "The Effectiveness of ~~Methods~~ Methods of ~~Work~~ *Operation*"

KALENKOVICH, S. L., Candidate ~~in~~ Technical SciencesKOZHEDETSVENSKIY, L. A., Candidate ~~in~~ Technical Sciences

Stalin Prize Winners, MTU Imeni Bauman
Principles of Cutting Metal from
 "Elements of the Geometry ~~of~~ Metal-Ceramic *Alley* ~~cutters~~"

PEL'DONTEYN, E. I., Candidate ~~in~~ Technical Sciences, Docent
 GAZ, Imeni Molotov *Gorkiy Automobile Plant*
 "The Operation of Thread-Cutting Heads with Tangential ~~Blade~~ *Chasers*"
(D. 3)

PARMILOVSKIY, I. G., Engineer
Gorkiy Automobile Plant
 GAZ, Imeni Molotov

Topical
 "Determining the Maximum Diameter of a ~~Conical~~ *Profile* Grinding
Round
 "heel for Sharpening ~~Conical~~ Broaches"

BARZAM, R. B., Engineer

Universal
 "Hydromechanical Control in ~~Multipurpose~~ Milling Machines"

NIKOLAYEV, P. A., Engineer
 Barnaul

Chrome-Plating a Tool with ~~an~~ Optimum ~~Thickness~~ *5)* Layer of Chrome"

DEMIDOV, N. S., Engineer
Gorkiy Automobile Plant
 GAZ, Imeni Molotov

Slender
 "Multi-Cutter Machining of ~~Thin~~ and Long Parts"

CONFIDENTIAL

PEKARSKIY, M. D., Engineer

Sverdlovsk Tool Plant

^{Insert}
"Milling ~~in Place~~ of Relieving ~~Threading Mill~~ Tooth Profiles"
~~Threading Mills~~

DYAKONOV, V. M.

ZIS [Plant Instrument Station]

"A Machine Tool for Slotting Shavers"

GORBATOV, N. I., Engineer

Chekalov Automobile Spare Parts Plant

"Soldering Hard Alloy Blades and High-Speed Steel Blades
by Means of a Gasoline Flame"

SMIRNOV, A. S.

^{Insert}
"General Boreamers with Screw Threads"

VESELOVSKIY, S. I., Engineer

"Threading Taps"
~~Slotting Threads~~ with ~~AKM~~ Dies"

[Same Author]

Kuybyshev ^{Threads on Ye}
"Multi-Profile Grinding of AKM Dies ~~Threads~~"

ROGINSKIY, A. L., Engineer

"An Instrument for Checking the Sharp^{ness} of Drills"

KOZLOV, M. P., Engineer

"Simple-Design Change Cams for ~~Gear~~ Clutches"

FRENKEL', A. S., Engineer, ~~Reporter~~

"A New-Design Checking and Measuring Instrument for Precision
Linear Measurements"

(From Machinery, No 1637, 1944)

CONFIDENTIAL

STANKI I INSTRUMENT

Vol 16, No 12, December 1945

DROTYARENKO, N. S., Engineer

"The Tool Industry During ^{World War II} ~~the Second World War~~"

BOGUSLAVSKIY, B. L., Professor

"Classification of the Principal ^{Variants} ~~Modifications~~ of Automatic -
Lathe Drive" (Conclusion)

GORAYETSKIY, N. I., Engineer

ZIS [Plan of new edition]

"Honing ^{Holes} ~~Apertures~~ and External Surfaces with Hydraulic Honos"

BRON, L. G., Engineer

ZVCHS

"Flexible Hoses for Hydraulic Machine-Tool Drives"

ZNEGOLENKOV, I. O., Engineer

"Introducing Corrections ⁱⁿ ~~in~~ Precision in the Operation of
Screw and Worm ^{Pairs} ~~Couples~~"

BAZHENOV, M. V., Engineer

"An Eccentric Holder for ^{Groove-Boring} ~~the Groove-Sharpener~~ on Boring Machines"

A. F.

"A Spherical Face Chuck for a Bore-chasing ~~lathe~~ ^{Machine}"

SDOBIN, K. S.

"Changing Sliding Bearings to Friction Bearings"

SHTENNIKOV, V. F.

[Gor'kiy Automobile Plant]

GAZ, Imonol Molotov

"An Attachment for ^{Hardening} ~~Tempering~~ Fine Broaches and Drills"

000

FLECHER, G. I., Engineer

"Method for Measuring the Thickness of Gear Teeth"